Abstract

A method and apparatus for segmenting a heart rate signal to identify heart rate feature events are provided. A heart rate signal including a sequence of sample points is received. The heart rate signal is processed to generate a set of segments. Each segment is formed by enclosing a portion of the heart rate signal in a respective bounded area commencing at a start sample point and terminating at an end sample point of the heart rate signal. The sample points between the start sample point and end sample point lie within the bounded area. The set of segments are then processed to generate a plurality of sections, each section being indicative of a heart rate feature. The heart rate feature is selected from the set consisting of an acceleration event, a deceleration event and a baseline event. A signal indicative of the plurality of sections is then released.